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MRDKKGPVNKRVDFLSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAEAAENNIENPTTLK
DNVQSKEVKIEEVNTNKDTAPQGVEAKSEVTSNKDTIEHEPSVKAEDISKKEDTPKEVADVAE
VQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPITIQQKEHFEGYGSVDIQKKP
TDLGVSEVTRFNVGNESNGLIGALQLKNKIDFSKDFNFKVRVANNHQSNTTGADGWGFLFSK
GNAEEYL TNGGILGDKGLVNSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGAFVKNDSSGNS
QMVGENIDKSKTNFLNYADNSTNTSDGKFHGORLNDVILTYVASTGKMRAEYAGKTWETSIT
DLGLSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTPEAPKTITTELEKKVEEIP
FKKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKGEPKEEITKDPINELTE
YGPETIAPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEK
EEIPFEKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGVIISKGEPKEEITKDPIN
ELTEYGPETITTPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPVKGDS
IVEKEEIPFKKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGEEIISKGESKEEITK
DPINELTEYGPETITTPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPV
KGDSIVEKEEIPFKKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGEEIISKGESKE
EITKDPINELTEYGPETITTPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPPVDSVTK
YGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTREGOKGEKTITTTPTLKNPLTGEEIISKG
ESKEEITKDPVNELTEFGGEKIPQGHKIDFDPNLPTDQTEKVPKGKPGIKNPDTGKVIEEPVD
DVIKHGPKTGTPETKTVEIPFETKREFNPKLQPGEEVRKQEGQPGSKTITTPITVNPLTGK
VGEGQPTTEEITKQPVDKIVEFGGEKPKDPKGPENPEKPSRPTHPSGPVNPNNPGLSKDRAKP
NGPVHSMKNDKVKKSKIAKESVANQEKKRAEL**PKTG**LESTQKGLIFSSIIIGIAGLMLLARR
RKN

FIG. 1

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SEQ ID NO: 2 -----
SEQ ID NO: 3 MRDKKGPVNKRVDFLSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAEAAENNIENPTT

SEQ ID NO: 2 -----
SEQ ID NO: 3 LKDNVQSKEVKIEEVTNKDTAPQGVAKSEVTSNKDTIEHEPSVKAEDISKKEDTPKEVA

SEQ ID NO: 2 -----
SEQ ID NO: 3 DVAEVQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPITIQQKEHFEGYGSV

SEQ ID NO: 2 -----
SEQ ID NO: 3 DIQKKPTDLGVSEVTRFNVGNESNGLIGALQLKNKIDFSKDFNFKVRVANNHQSNTTGAD

SEQ ID NO: 2 -----
SEQ ID NO: 3 GWGFLFSKGNAAEYLTNGGILGDKGLVNSSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGA

SEQ ID NO: 2 -----MH
SEQ ID NO: 3 FVKNDSSGNSQMVGENIDKSKTNFLNYADNSTNTSDGKFHGQRLNDVILTYVASTGKMRA

SEQ ID NO: 2 HHHHHSSGLVPRSGMKETAAAKFERQHMDSPDLGTDKAMGRDLDKGSEFTFTTPEAP
SEQ ID NO: 3 EYAGKTWETSITDLGLSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTTPEAP

SEQ ID NO: 2 KTITELEKKVEEIPFKKERKFNPDLAPGTEKVTREGQKGEKTITPTLKNPLTGVIISKG
SEQ ID NO: 3 KTITELEKKVEEIPFKKERKFNPDLAPGTEKVTREGQKGEKTITPTLKNPLTGVIISKG

SEQ ID NO: 2 EPKEEITKDPINELTEYGPETIAPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPP
SEQ ID NO: 3 EPKEEITKDPINELTEYGPETIAPGHRDEFDPKLPTGEKEEVPKGKPGIKNPETGDVVRPP

SEQ ID NO: 2 VDSVTKYGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTREGQKGEKTITT-----
SEQ ID NO: 3 VDSVTKYGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTREGQKGEKTITPTLKNPL

SEQ ID NO: 2 -----
SEQ ID NO: 3 TGVIISKGEPKEEITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPKGKPGIKNPE

SEQ ID NO: 2 -----
SEQ ID NO: 3 TGDVVRPPVDSVTKYGPVKGDSIVEKEEIPFKKERKFNPDLAPGTEKVTREGQKGEKTIT

SEQ ID NO: 2 -----
SEQ ID NO: 3 TPTLKNPLTGEIISKGESKEEITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPKG

SEQ ID NO: 2 -----
SEQ ID NO: 3 KPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEKEEIPFKKERKFNPDLAPGTEKVTREG

SEQ ID NO: 2 -----
SEQ ID NO: 3 QKGEKTITPTLKNPLTGEIISKGESKEEITKDPINELTEYGPETITPGHRDEFDPKLPT

SEQ ID NO: 2 -----
SEQ ID NO: 3 GEKEEVPKGKPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEKEEIPFEKERKFNPDLAPG

SEQ ID NO: 2 -----
SEQ ID NO: 3 TEKVTREGQKGEKTITPTLKNPLTGEIISKGESKEEITKDPVNELTEFGGEKIPQGHKD

SEQ ID NO: 2 -----
SEQ ID NO: 3 IFDPNLPDQTEKVPKGKPGIKNPDTGKVIEEPVDDVIKHGPKTGTPTETKTVEIPFETKRE

SEQ ID NO: 2 -----
SEQ ID NO: 3 FNPKLQPGEEVKQEGQPGSKTITTPITVNPLTGEKVGEQPTTEEITKQPVDKIVEFGGE

SEQ ID NO: 2 -----
SEQ ID NO: 3 KPKDPKGPENPEKPSRPTHSPGPVNPNNPGLSKDRAKPNGPVHSMKNDKVKKSKIAKES

SEQ ID NO: 2 -----
SEQ ID NO: 3 VANQEKKRAELPKTGLESTQKGLIFSSIIGIAGLMLLARRRKN

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FIG. 2

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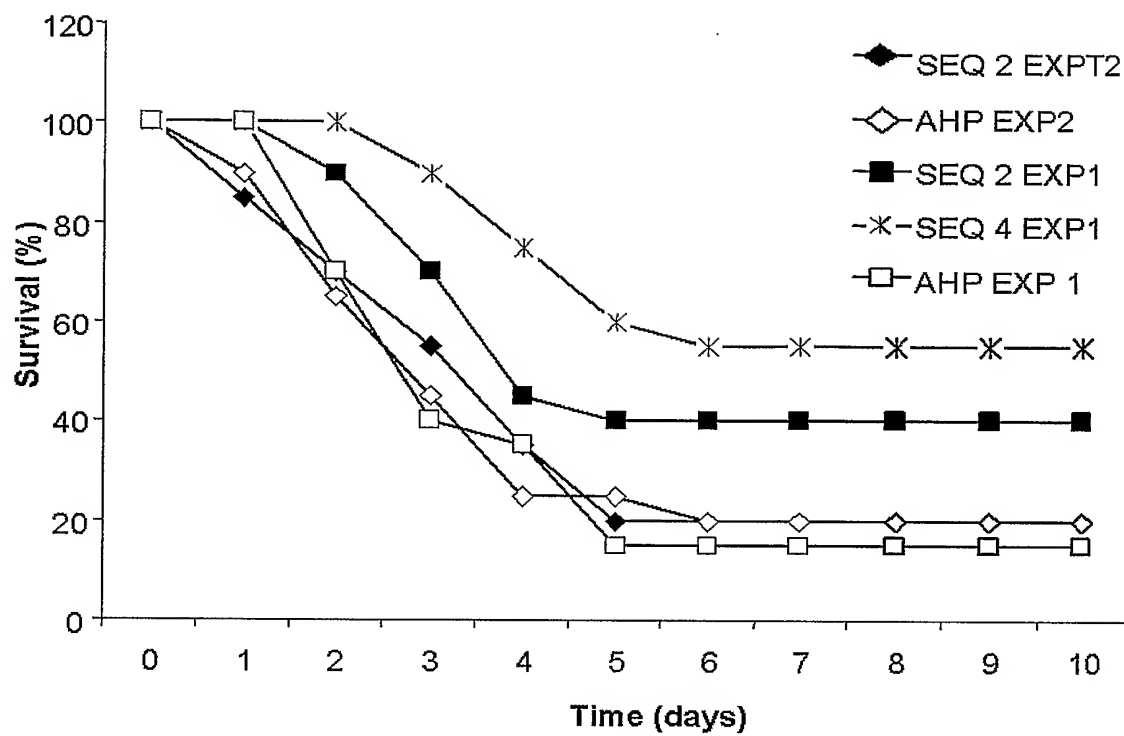


FIG. 3

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MGNKQQKEFKSFYSIRKSSLGVASVAISTLLLLMSNGEAQAAAEEETGGTNTEAQPKEAVASPTTTSEKAPETKP
 VANAVSVSNKEVEAPTSETKEAKEVKEVKAPKETKEVKPAAKATNNTYPILNQELREAIKNPAIKDKDHSAPNSR
 PIDFEMKKKDGTQQFYHYASSVKPARVIFTDSKPEIELGLQSGQFWRKFEVYEGDKKLPIKLVSYDTVKYAYIR
 FSVSNGTKAVKIVSSTHFNNKEEKYDYTLMEFAQPIYNSADKFKTEEDYKAEKLLAPYKKAKTLERQVYELNKIQ
 DKLPEKLKAHEYKKKLEDTKKALDEQVKSATIEFQNVQPTNEKMTDLQDTKYVVYESVENNESMMDTFVKHPIKTG
 MLNGKKYVMVMTTNDYWKDFMVEGQVRVTISKDAKNNTRTIIFPYVEGKTLYDAIVKVHVKTIDYDGQYHVRIV
 DKEAFTKANTDKSNKKEQQDNSAKKEATPATPSKPTPSPVEKESQKQDSQKDDNKQLPSVEKENDASSESQKDKT
 PATKPTKGEVESSSTTPTKVSTTQNVAKPTTASSKTTKDVVQTSAGSSEAKDSAPLQKANIKNTNDGHTQSQNN
 KNTQENKAKSLPQTGEESNKDMTLPMLALLALSSIVAFVLPKRKRKLEHHHHHH

FIG. 4

ATGCACCATCATCATCATCATTTCTTCTGGTCTGGTGCCACGCGGTTCTGGTATGAAAGAAACCGCTGCTGCTAAA
 TTTCGAACGCCAGCACATGGACAGCCCAGATCTGGGTACCGACGACGACGACAAGGCC**ATGGGC**GAGAACTGACTTG
 AAAGGTTTCAGAGTTTACTTTTACACCAGAAGCGCCAAAAACAATAACAGAATTAGAAAAAAAGTTGAAGAGATT
 CCATTCAAGAAAGAACGTAAATTTAATCCGGATTTAGCACCAGGGACAGAAAAAGTAACAAGAGAAGGACAAAAA
 GGTGAGAAGACAATAACGACACCAACACTAAAAAATCCATTAACTGGAGTAATTATTAGTAAAGGTGAACCAAAA
 GAAGAGATTACAAAAGATCCGATTAAATGAATTAACAGAATACGGACCTGAAACAATAGCGCCAGGTCATCGAGAC
 GAATTTGATCCGAAGTTACCAACAGGAGAGAGAAAGAGGAAGTTCCAGGTAAACCAGGAATTAAGAATCCAGAAACA
 GGAGACGTAGTTAGACCGCCGGTCGATAGCGTAACAAAATATGGACCTGTAAAAGGAGACTCGATTGTAGAAAAA
 GAAGAGATTCCATTGAGAAAGAACGTAAATTTAATCCGGATTTAGCACCAGGGACAGAAAAAGTAACAAGAGAA
 GGACAAAAAGGTGAGAAGACAATAACGACAT**TAA**

FIG. 5